SCHOOL : CATHOLIC HIGH PRIMARY SCHOOL
LEVEL : PRIMARY 6
SUBJECT : MATH
TERM : 2020 PRELIM
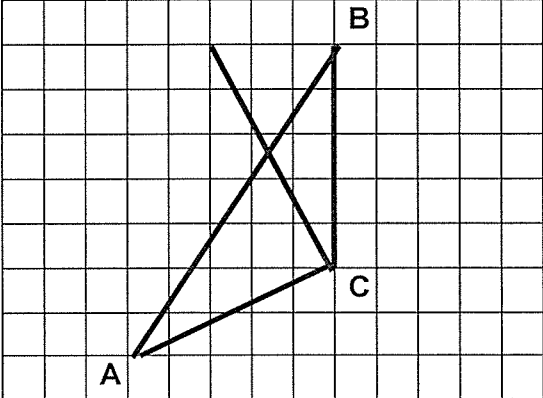
PAPER 1 BOOKLET A

Q 1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
2	3	1	3	4	4	3	1	4	2

Q 11	Q12	Q13	Q14	Q15
1	2	3	2	1

PAPER 1 BOOKLET B

| Q16)	107°
Q17)	$6\frac{2}{3}$
Q18)	50 + 0.30 = 50.30 50.30 – 10 = $40.30
Q19)	E and D
Q20)	Car Park
Q21)	0.3
Q22)	a)2890 b)9028
Q23)	40 – 10 = 30 30 x 2 = 60 10 children received 60 book in total 1 child received = 60 ÷ 10 = 6 books

Q24)	5u = 35
	1u = 35 ÷ 5 = 7
	24u = 7 x 24 = 168 cookies

Q25)	

Q26)	(5 − 4) ÷ 2 = 0.5
	4 + 0.5 = 4.5
	$\dfrac{4.5}{20} = \dfrac{9}{40}$

Q27)	$\dfrac{102}{100}$ x $8000 = 102 x $82
	= $8364

Q28)	82 white squares

Q29)	11cm x 7cm x 6cm = 11cm x 42cm2
	= 462cm3

Q30)	Orange = 8u + 36 = 11u + 12
	8u + 36 = 11u + 12
	36 − 12 = 11u − 8u
	3u = 24
	1u = 24 ÷ 3 = 8
	11u = 8 x 11 = 88 apples

PAPER 2

Q1)	a)point G is east of point F
	b)point B is north-west of point A

Q2)	2pens + 1 book = $55 1 pen = $\frac{2}{7}$ book 2 pens = 2u x 2 = 4u 4u + 7u = 11u 11u = 55 1u = 55 ÷ 11 = 5 7u = 5 x 7 = $35
Q3)	<table><tr><td>√</td><td></td><td></td></tr><tr><td></td><td>√</td><td></td></tr><tr><td>√</td><td></td><td></td></tr></table>
Q4)	1set = 50 +6 = 56 stickers No.of stes = 210 ÷ 56 = 3 R 42 No.of stickers (free) = 3 x 6 = 18 Amt of stickers paid for = 210 – 18 = 192 stickers
Q5)	A + B = 7.4 B + C = 9.7 2A = C B + C = 2A + B 2A + B = 9.7 A = 9.7 – 7.4 = 2.3 B = 7.4 - 2.3 = 5.1 C = 2.3 x 2 = 4.6 $\frac{2.3+5.1+4.6}{3} = \frac{12}{3} = 4\ell$
Q6)	a) T : C : M 25 : 20 : 40 5 : 4 : 8 b)
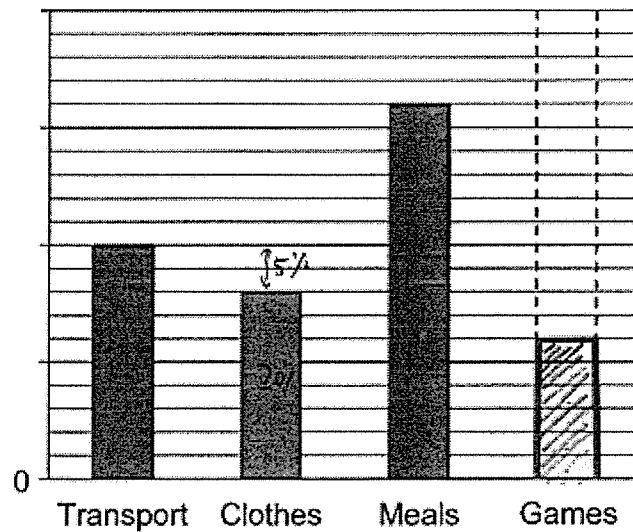
Q7)	a)Amt Jack has = $y
	  Amt Krishan has = $(Yx3) = $3y)
	  Amt Latiff has = $(3y – 10)
	  Total Amt = $(y+3y+3y – 10) = $(7y – 10)
	b)Jack + Latiff = $(y+3y – 10) = $(4y – 10)
	  $(4y – 10) = $50
	  $4y = $50 + $10 = $60
	  Y = $60 ÷ $4 = 15

Q8)	$\angle$ECB = 360° – 321° = 39° $\angle$FCE = 60° – 39° = 21° $\angle$DEC = (180° – 36°) ÷ 2 = 72° $\angle$EFC = 180° – 72° – 21° = 87°
Q9)	6u x 2u x 0.5 = 1p Area of triangle ABF = 6u x 2u x 0.5 = 12(u^2) ÷ 2 = 6(u^2) 1p = 6(u^2) Area of triangle BCF = 2u x 12u x 0.5 = 48 2u x 120 x 0.5 = 24(u^2) x 0.5 = 12(u^2) 12(u^2) = 48 U^2 = 48 ÷ 12 = 4 U = $\sqrt{4}$ = 2 6u = 2 x 6 = 12 12cm

Pg4

Q10)	1u = 24 ÷ 2 = 12 Area of shaded stage = π x 6² ÷ 2 = 36 π ÷ 2 = 18 π (18 π)m²
Q11)	A : P : T 16 : 4 : 20 $\frac{3}{4}$ of 200 = 150 200 - 150 = 50 (5u) fruits left (Apples left) = $\frac{1}{8}$ of 160 = 2u 5u = 2u+30 5u – 2u = 30 1u = 10 Amount of fruits in box at first = 200
Q12)	a) 11 10 b) A , 6 l c) 10 minutes

Q13)	a) $\angle x = 180° - 59° - 59° = 62°$
	b) $360° - 63° - 117° - 59° = 121°$
	   $\angle GEF = 180° - 121° = 59°$
	   $\angle CGE = 360° - 117° - 59° - 59° = 125°$
	   $\angle y = 180° - 125° = 55°$

Q14)	a) $\frac{12}{16}cw = \frac{12}{15}N$
	   16u = 160
	   1u = 10
	   15u = 150 nuggets
	b) $\frac{1}{4}$ of 160 = 40
	   65 – 40 = 25
	
	         $\frac{25}{100} \times 100\% = 62.5\%$

Q15)	a) 13 – 5 = 8
	   44 – 8 – 5 – 5 – 5 = 21
	   Radius of small semi circle = 21 ÷ 3 = 7cm
	b) Radius of big semi circle = $\frac{(44-8)}{3}$ = **12**
	   3.14 x 12 x 2 = 75.36
	   3.14 x 7 x 2 = 42.96
	
	   75.36 + 42.96 + 5 + 5 +5 + 5 + 13
	   = 152.43cm

Q16)	a) David = 150p 90u = 150p Cathy baked = 20 David baked = 6p 6p – 2u = 72 2u = 6p – 72 90u = 150p 90u = 270p – 3240 150p = 270p – 3240 3240 = 270p – 150p 120p = 3240 1p = 27 150p = 4050 90u = 4050 U = 45 2u = 90 6p = 27 x 6 = 162 90+162 = 252 b) 22 x 5 = 110 162 – 110 = 52 9 – 5 = 4 52 ÷ 4 = 43
Q17)	a) 30 ÷ 2 = 15 460 ÷ 30 = 15R10 15 x 2 = 30 30 x 15 = 450 b) 450 ÷ 30 = 15 15 – 1 = 14 14 ÷ 2 = 7 (7x1) + (7x2) + 1 = 22 (7 x 22) + (7 x 15) + 15 = 274